



Atty. Dkt. No. 043739-0175
U.S. Ser. No. 10/069,434

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thornton et al.

Title: HUMAN CARBONIC ANHYDRASES

Appl. No.: 10/069,434

Filing Date: 07/18/2002

Examiner: Saidha, Tekchand

Art Unit: 1652

CERTIFICATE OF EXPRESS MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
EV 459167845 US (Express Mail Label Number)	December 30, 2004 (Date of Deposit)
Deborah A. Kocorowski (Printed Name)	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

FEE

A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 12/30/2004

By M. Scott McBride

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/069,434
Date Submitted: December 30, 2004 <i>(use as many sheets as necessary)</i>				Filing Date	07/18/2002
				First Named Inventor	Michael B. THORNTON
				Group Art Unit	1652
				Examiner Name	Saidha, Tekchand
Sheet	1	of	1	Attorney Docket Number	043739-0175

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A5	Lehtonen et al., "Characterization of CA XIII, a Novel Member of the Carbonic Anhydrase Isozyme Family", <u>The Journal of Biological Chemistry</u> © 2004 by The American Society for Biochemistry and Molecular Biology, Inc., Vol. 279, No. 4, 01/23/2004, (pp. 2719-2727).	
	A6	NCBI, "Results of BLAST", "RID=1103129258-2658-110711874120.BLASTQ4," available at http://www.ncbi.nlm.nih.gov/blast/Blast.cgi , by at least 12/15/2004, (pp. 1-30).	
	A7	NCBI, NP_940986, "carbonic anhydrase XIII, available at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Protein&list... , by at least 12/15/2004, (pp. 1-2).	
	A8	Copy of the International Search Report for International Application No. PCT/US01/19166, date of mailing of the International Search Report 05/22/2002, (2 pgs.).	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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